

IN THE CLAIMS:

Please cancel claims 3, 4, 6, and 12-19 and amend claims 5, 10, and 11 without prejudice or disclaimer, and add claims 20-34, resulting in the following set of claims:

1. (original) A method for a power distribution system including a generation station and a plurality of control circuits each located away from the generation station, each control circuit including a first device with first and second control inputs, and a current output, a second device with a control input and a current output, and a third device with a control input and a current output for coupling to a light source, the method comprising the steps, performed for each control circuit, of:

detecting a current at a respective location in the power distribution system;

supplying voltage to the control circuit, in response to the detecting step,

and the steps, performed a plurality of times in the control circuit, of

charging the second control input of the first device;

subsequently using the current output of the first device to charge the control input of the second device; and

using the current output of the second device to charge the control input of the third device.

2. (original) The method of claim 1 wherein each control circuit further includes a relay having a set coil, and a discreet capacitor coupled to the set coil, and wherein the detecting step includes

charging the capacitor; and

passing current from the capacitor to the set coil,
and wherein the supplying step includes
closing the relay.

Claim 3 (cancelled)

Claim 4 (cancelled)

3. (currently amended) A method for a power distribution system having a plurality of conduction paths, and a plurality of devices each having a manual control and each located adjacent a conduction path, the method comprising the steps, performed in each device, of

detecting a current in the adjacent conduction path;

activating an indicator in response to the detecting step; and

deactivating the indicator after a period of time, the period of time being a function of the manual control.

~~The method of claim 3~~ wherein the manual control in each device includes a switch, each device further includes a capacitor, and the deactivating step includes charging the capacitor through the switch.

Claim 6 (cancelled)

4. (original) A power distribution system having a plurality of conduction paths,

and a plurality of devices, each device including

a first node for coupling to a first reference voltage;

a second node for coupling to a second reference voltage;

a detector that detects a current in an adjacent conduction path to generate a first signal;

an activator, responsive to the first signal, for generating a second signal;

a control circuit that generates a third signal in response to the second signal;

an indicator responsive to the third signal; and

a deactivator for blocking the second signal after a period of time, the deactivator including a capacitor coupling between the first and second nodes.

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cont.*
5 ~~8~~. (original) The power distribution system of claim ⁴~~7~~ wherein the capacitor in each device includes a first end, and each device further includes a switch coupled between the first end and the first node.

6 ~~8~~. (original) The power distribution system of claim ⁴~~7~~ wherein the capacitor in each device includes a first end, and each device further includes

a first switch coupled between the first end and the first node; and

a second switch coupled between the first end and the second node.

7 ~~10~~. (currently amended) The power distribution system ⁶~~8~~ of claim ~~8~~ wherein the first switch is part of a manual control.

8 ~~11~~ (currently amended) The power distribution system ⁶[[.]] of claim ~~9~~ wherein the second switch is responsive to the first signal.

Claims 12-19 (cancelled)

9 ~~20~~ (new) Circuitry for a power distribution system including a generation station and a plurality of first circuits each located away from the generation station, each first circuit including a first device with first and second control inputs, and a current output, a second device with a control input and a current output, and a third device with a control input and a current output for coupling to a light source, the circuitry comprising:

means for detecting a current at a respective location in the power distribution system;

means for supplying voltage to a first circuit, in response to the means for detecting,

and the following elements, activated a plurality of times for the first circuit:

means for charging the second control input of the first device;

means for subsequently using the current output of the first device to charge the control input of the second device; and

means for using the current output of the second device to charge the control input of the third device.

12 ~~21~~ (new) The circuitry of claim ⁹~~20~~ wherein each first circuit further includes a relay having a set coil, and a discreet capacitor coupled to the set coil, and wherein the

means for detecting includes

means for charging the capacitor; and

means for passing current from the capacitor to the set coil,

and wherein the means for supplying includes

means for closing the relay.

11 ~~22~~. (new) An indication system for a power distribution system including a generation station, the indication system comprising a plurality of first circuits each located away from the generation station, each first circuit comprising:

a first device with first and second control inputs, and a current output;

a second device with a control input and a current output, and

a third device with a control input and a current output for coupling to a light source;

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cont.* a detector that detects a current at a respective location in the power distribution system;

a voltage supply, responsive to the detector;

a charger that charges the second control input of the first device;

a first current path between the current output of the first device and the control input of the second device; and

a second current path between the current output of the second device and the control input of the third device.

12 ~~23~~. (new) The indication system of claim *11* ~~22~~ wherein each first circuit further

includes a relay having a set coil, and a discreet capacitor coupled to the set coil, and wherein the and the detector passes current from the capacitor to the set coil.

13 ~~24~~. (new) Circuitry for a power distribution system having a plurality of conduction paths, and a plurality of devices each having a manual control and each located adjacent a conduction path, wherein the manual control in each device includes a switch, each device further includes a capacitor, the circuitry comprising:

means for detecting a current in the adjacent conduction path;

means for activating an indicator in response to the detecting means; and

means for deactivating the indicator after a period of time, the period of time being a function of the manual control, the deactivating means acting to charge the capacitor through the switch.

at cont. 14 ~~25~~. (new) A device for a power distribution system having a plurality of conduction paths, the device comprising:

a first node for coupling to a first reference voltage;

a second node for coupling to a second reference voltage;

a detector that detects a current in an adjacent conduction path to generate a first signal;

an activator, responsive to the first signal, for generating a second signal;

a control circuit that generates a third signal in response to the second signal;

an indicator responsive to the third signal; and

a deactivator for blocking the second signal after a period of time, the deactivator

including a capacitor coupling between the first and second nodes.

¹⁴
~~15~~ 26. (new) The device of claim ~~25~~ wherein the capacitor includes a first end, and the device further includes a switch coupled between the first end and the first node.

¹⁴
~~16~~ 27. (new) The device of claim ~~26~~ wherein the capacitor includes a first end, and the device further includes

a first switch coupled between the first end and the first node; and

a second switch coupled between the first end and the second node.

¹⁶
~~17~~ 28. (new) The device of claim ~~27~~ wherein the first switch is part of a manual control.

¹⁶
~~18~~ 29. (new) The device of claim ~~27~~ wherein the second switch is responsive to the first signal.

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cont.</sup>
~~19~~ 30. (new) A method for a power distribution system having a plurality of conduction paths, the method comprising:

coupling a first node to a first reference voltage;

coupling a second node to a second reference voltage;

detecting a current in an adjacent conduction path to generate a first signal;

activating, responsive to the first signal, to generate a second signal;

generating a third signal in response to the second signal;

indicating responsive to the third signal; and

blocking the second signal after a period of time, by using a capacitor coupled between the first and second nodes.

20 ~~31~~¹⁹. (new) The method of claim ~~30~~¹⁹ wherein the capacitor includes a first end, and the method further includes operating a switch coupled between the first end and the first node.

21 ~~32~~¹⁹. (new) The method of claim ~~30~~¹⁹ wherein the capacitor includes a first end, and the method further includes

operating a first switch coupled between the first end and the first node; and

operating a second switch coupled between the first end and the second node.

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cont.* *22* ~~33~~²¹. (new) The method of claim ~~32~~²¹ wherein the first switch is part of a manual control.

23 ~~34~~. (new) Circuitry for a power distribution system having a plurality of conduction paths, the circuitry comprising:

means for coupling a first node to a first reference voltage;

means for coupling a second node to a second reference voltage;

means for detecting a current in an adjacent conduction path to generate a first signal;

means for activating, responsive to the first signal, to generate a second signal;

means for generating a third signal in response to the second signal;
means for indicating responsive to the third signal; and
means for blocking the second signal after a period of time, by using a capacitor
coupled between the first and second nodes.

²³
~~24~~ ³⁶. (new) The circuitry of claim ~~34~~ wherein the capacitor includes a first end,
and the circuitry further includes means for operating a switch coupled between the first
end and the first node.

*at
could*
²³
~~25~~ ³⁶. (new) The circuitry of claim ~~34~~ wherein the capacitor includes a first end,
and the circuitry further includes

means for operating a first switch coupled between the first end and the first
node; and

means for operating a second switch coupled between the first end and the
second node.

²⁵
~~24~~ ³¹. (new) The circuitry of claim ~~36~~ wherein the first switch is part of a manual
control.